

## **Abstract**

A new class of lipopeptides has been surprisingly discovered from mammalian serum that are potent immunoregulators, hereinafter, referred to as Immune Cell Potentiating Factors ("ICPF"s). The clinical and laboratory data show a wide range of prophylactic and therapeutic applications for the ICPFs including primary and adjunctive therapy in the treatment of diseases of both bacterial and viral origin as well as certain neoplastic diseases. Described herein are chemical structures of ICPF of the invention, the likely mode of action, and the surprisingly broad spectrum of therapeutic efficacy and wide margin of safety to the host species.